

ILLINOIS

WEATHER & CROPS



ILLINOIS COOPERATIVE CROP REPORTING SERVICE

Illinois Department of Agriculture
STATISTICAL REPORTING SERVICE USDA
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CROP HI-LITES

- *** Corn - 97% planted
- *** Soybeans - 67% planted
- *** Wheat - 75% headed
- *** Soil Moisture - 47% short, 52% adequate, 1% surplus

CORN planting was reported as 97% complete as of Sunday, May 23. This compares with 73% last year and 79% for the 5-year average (1977-81).

Planting of SOYBEANS was 67% complete on May 23 compared to 19% last year and an average of 48%.

SORGHUM planting was 40% complete as of May 23.

WINTER WHEAT on Friday, May 21, was reported as 7% excellent, 66% good, 25% fair, and 2% poor. Seventy-five percent of the crop was headed by May 23 compared to 85% last year and an average of 64%. Fifteen percent of the wheat crop was filled by May 23 compared to 35% last year and an average of 27%.

The OATS crop on May 21 was reported as 3% excellent, 73% good, 23% fair, and 1% poor.

ALFALFA, as of May 21, was reported as 3% excellent, 72% good and 25% fair. About 15% of the first crop was cut by May 23 compared to 20% last year and an average of 19%.

RED CLOVER, as of May 21, was reported as 6% excellent, 84% good and 10% fair. About 10% of the crop was cut for hay by May 23 compared to 11% last year and an average of 13%.

PASTURES on May 21 were reported as 3% excellent, 77% good and 20% fair.

SOIL MOISTURE was reported as 47% short, 52% adequate and 1% surplus on May 21.

There were 5.50 DAYS SUITABLE for FIELDWORK for the week ending May 21.

MAIN ACTIVITIES were preparing the soil for planting, planting corn and soybeans, applying herbicides and baling hay.

WEATHER

TEMPERATURES for the period of May 17 thru May 23 averaged from 2° to 3° above normal in the northern half of the State and from 4° to 7° above normal in the South. A warming trend continued for the third straight week sending maximum temperatures to the 80-degree mark and setting a few new records. A cool trend developed at the end of the week dropping the lows into the 40's and 50's.

PRECIPITATION was moderate to heavy in most sections as amounts ranged from .40 of an inch to 2.00 inches. Scattered thunderstorms gave localized areas more than 1.50 inches during a 24-hour period and some northeast areas recorded as much as 7 inches on the 22nd causing some flooding. However, some of the southwest portions received little rainfall.

The OUTLOOK for the period of May 25 thru May 31 is for temperatures and precipitation to be near normal.

SOIL MOISTURE MEASUREMENTS

The Illinois State Water Survey reports that soil moisture in a moderately well-drained Flanagan soil near Bondville (Champaign County) decreased during the week prior to May 17. Soil moisture from the surface to about 7 feet decreased from 67% of Potential Plant Available Moisture (PPAM) to 62% of PPAM. In that same week the top four inches went from 23% to 12% of PPAM.

Soil moisture (from the surface to a depth of 20 inches) was measured at the following locations in Illinois on the 13th and 14th of May:

Site	County	Soil Moisture (inches)	Change from late April
Freeport	Stephenson	4.9	-0.1
Shabbona	De Kalb	5.5	-1.0
Monmouth	Warren	5.6	-0.2
Appleton	Knox	3.9	-3.1
Perry	Pike	4.5	-1.7
Topeka	Mason	2.9	-0.3
Bondville	Champaign	4.1	-2.0
Brownstown	Fayette	4.5	-1.1
Dixon Springs	Pope	6.0	-0.1
Belleville	St. Clair	4.7	*

* New site.

ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
Corn: % planted (as of May 23)	95	96	98	99	100	99	97	95	95	97	79
Soybeans: % planted (as of May 23)	55	60	75	65	65	70	75	60	65	67	48
Days suitable for fieldwork: (week ending May 21)	5.0	4.0	5.5	5.0	5.0	6.0	6.5	6.5	5.5	5.50	
moisture % of May 21)											
Short	40	30	35	55	35	60	45	65	50	47	
Adequate	60	70	60	45	65	40	50	35	50	52	
Surplus	--	--	5	--	--	--	5	--	--	1	

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ILLINOIS WEATHER

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	March	April	April 27-May 3	May 4-10	May 11-17	May 18-24
Chicago	-1	-4	-2	10	13	2
Peoria	0	-5	2	9	13	3
Springfield	+1	-5	0	8	12	4
St. Louis	+3	-4	-2	6	6	4

Week ending Monday, 6 A.M., May 24							
Station	Temperatures			Growing degree days 1/			
	Maxi- mum	Mini- mum	Aver- age	Current week	3-yr. av. 2/	Totals 1981	Totals 1982
Moline	87	46	64.6	106	470	486	583
Rockford	85	44	63.1	93	398	412	529
Chi. O'Hare	87	44	62.9	92	399	438	501
Quincy	83	51	66.0	112	526	523	560
Decatur	88	50	68.3	127	497	535	567
Peoria	90	49	66.6	113	461	502	611
Watska	85	44	66.0	118	3/	445	537
Springfield	91	52	69.7	133	547	609	655
Brownstown	87	51	71.1	147	3/	645	603
St. Louis	89	59	71.4	147	635	711	689
Dixon Springs	88	57	72.1	153	3/	759	697

1/ Totals are accumulated from April 1. 2/ Average of accumulated totals for 1979, 1980 and 1981. 3/ Data are not available for 1979 + 1980.

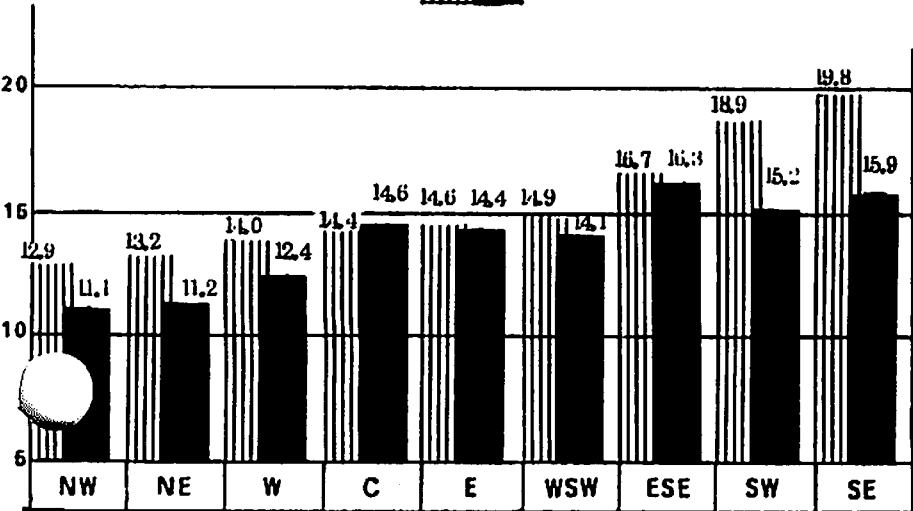
Growing degree days(GDD's) are calculated by subtracting a 50-degree (F) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86 degrees (F) and daily minimum to 30 degrees (F). Thus, if the mean temperature for the day is 75 degrees, then 25 GDD's will have been accumulated.

ACCUMULATED PRECIPITATION
(Inches)

LEGEND: Normal Actual

Jan. 1-May 31

Jan. 1-May 24



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PRECIPITATION:
First figure--Current week, May 18-24
Parentheses--Previous week
M--Missing. T--Trace.

